1 July 2019

EQUITIES

WTR US Price (at 03:06, 29 Jun 2019 GMT)		Neutral US\$41.37
Valuation - PER	US\$	38.50
12-month target	US\$	38.50
12-month TSR	%	-4.7
GICS sector		Utilities
Market cap	US\$m	8,925
30-day avg turnover	US\$m	40.8
Number shares on issue	m	215.7

Investment fundamentals

Year end 31 Dec		2018A	2019E	2020E	2021E
EPS adj	US\$	1.41	1.30	1.51	1.65
EPS adj growth	%	4.5	-7.5	16.0	9.1
PER adj	Х	29.4	31.8	27.4	25.1
Total DPS	US\$	0.85	0.91	0.97	1.04
Total div yield	%	2.0	2.2	2.3	2.5

WTR US rel S&P 500 performance, & rec history



Note: Recommendation timeline - if not a continuous line, then there was no Macquarie coverage at the time or there was an embargo period. Source: FactSet, Macquarie Research, July 2019 (all figures in USD unless noted)

United States

Aqua America (WTR US) Not all news is good news

Key points

- Merger settlement is opposed by PAPUC's Staff.
- Peoples' gas settlement is only partial and doesn't seem to include a repair tax deduction.
- We remain on the sidelines, but boost TP to US\$38.50 from US\$36.50.

Event

 WTR (and AWK) have benefitted from nationalization concerns surrounding UK water utilities. Regulatory updates on WTR's pending merger with Peoples have been mixed, and so far the utilities haven't received even a tentative approval to use a repair tax deduction at Peoples. The latter seems essential for WTR to offer a positive earnings surprise for 2020 and beyond.

Impact

- Non-unanimous merger settlement: In early June, WTR agreed to a settlement in the Peoples merger with all but two interveners in the proceeding. The Staff of the PA PUC (I&E) disputes Peoples' treatment of a rural gas system of 1,600 connections (Goodwin/Tombaugh Gathering System), which for years has experienced gas leaks. WTR has agreed to spend US\$120m in capex on the system and the spending would be recoverable through general rate cases. The I&E should present their position on the Goodwin/Tombaugh system on July 10, but for now we believe that the Staff wanted the system to be removed from Peoples' rate base and for the customers to be converted to propane, likely at Peoples' unrecoverable expense. WTR now expects an ALJ decision in late summer and the PAPUC decision by Oct/Nov.
- Gas rate case settlement: On Friday, Peoples reached a settlement in its pending gas rate case in PA. The settlement happened sooner than we had expected, though cancelled rate case hearings in late June suggested a settlement was imminent. We are waiting for the settlement to be made public, but for now it's our understanding that a main line replacement was excluded from the settlement and will continue to be litigated. Also, the rate case settlement doesn't seem to include any references to a future election of the repair tax deduction, which is essential to accelerate WTR's EPS growth following the Peoples deal.

Earnings and target price revision

• We updated our estimates to reflect the Peoples merger closing in late October. Our new '19/'20/'21 EPS estimates are US\$1.30/1.51/1.65 vs US\$1.47/1.54/1.62, respectively. We raised our TP to US\$38.50 from US\$36.50 to reflect a higher '21 anchor PEs for regulated water/gas utilities. Our new TP is based on 24.1x '21E water EPS plus 21.4x '21E gas EPS. Our previous TP was based on 22.8x '21E water EPS plus 21.0x '21E gas EPS.

Price catalyst

- 12-month price target: US\$38.50 based on a PER methodology.
- Catalyst: Update on repair tax deduction for Peoples; 2019/2020 EPS guidance.

Action and recommendation

· We reiterate our Neutral rating.

Analysts

Macquarie Capital (USA) Inc.



Angie Storozvnski +1 212 231 2569 angie.storozynski@macquarie.com

Hailey Xu +1 212 231 1920 hailey.xu@macquarie.com

Please refer to page 4 for important disclosures and analyst certification, or on our website www.macquarie.com/research/disclosures.

Macquarie Research Aqua America (WTR US)

Fig 1 WTR: EPS proforma pending Peoples merger

	2019	2020	2021	2022
Water net income (US\$m)	261.87	274.25	288.13	305.00
Gas net income (US\$m)	48.14	146.16	167.76	184.54
Incremental parent interest expense after tax (US\$m)	-10.5	-31.9	-31.6	-36.0
Total EPS (US\$)	1.30	1.51	1.65	1.76
S/O (m)	231	257	257	257
EPS accretion vs standalone EPS (US\$)	-0.17	-0.03	0.04	0.06
Water EPS	87%	71%	68%	67%
Gas EPS	13%	29%	32%	33%
Water EPS (US\$)	1.13	1.07	1.12	1.19
Water PE multiple		25.3x	24.1x	22.8x
Equity value of water per share		26.95	26.96	27.11
Gas EPS (US\$)	0.16	0.44	0.53	0.58
Gas PE multiple		23.1x	21.4x	19.7x
Equity value of gas per share		10.27	11.33	11.37
Total equity value per share (\$)		37.22	38.29	38.49
Source: Macquarie Capital (USA), July 2019				

Fig 2 WTR: Financial projections (US\$ m except per-share data)

	2018	2019E	2020E	2021E
EBITDA	470	606	764	820
EBIT	323	454	601	648
Net interest expense	99	125	163	162
Ordinary Profit Before Tax	252	352	461	509
Income tax	1	51	73	85
Net profit	251	301	388	423
S/O (m)	178	231	257	257
Diluted EPS	1.41	1.30	1.51	1.65
DPS	0.85	0.91	0.97	1.04
Cash	5	5	5	5
Receivables	101	128	148	156
Inventory	14	18	18	18
Other short-term assets	16	16	16	16
Other-long term assets	801	801	801	801
Property, plant, and equipment	5,808	6,206	6,473	6,731
Total assets	6,746	7,174	7,461	7,727
Financial liabilities	117	117	117	117
Operating liabilities	64	81	82	84
Other liabilities	108	108	108	108
Deferred credits	2,096	2,110	2,124	2,138
Long-term debt	1,975	2,254	2,248	2,489
Shareholders' equity	2,385	2,503	2,781	2,791
Total liabilities and equity	6,746	7,174	7,461	7,727
Net income	251	301	388	423
D&A, goodwill amortisation	147	152	163	172
Other non-cash elements	25	25	25	25
Funds from operations	423	478	577	621
Non-cash working capital	8	43	22	9
Operating cash flow	430	522	599	630
Net investments in fixed assets	-555	-550	-430	-430
Net investments in financial assets	0	0	0	0
Free cash flow before dividends	-125	-28	169	200
Dividends paid	-151	-210	-250	-268
Free cash flow after dividends	-276	-238	-81	-67
Changes in capital	2	2	2	2
Changes in financial debt	273	235	78	64
Adjustment for minorities / miscellaneous	1	1	1	1
Increase in cash	1	0	0	0
Source: Company data, Macquarie Capital (US	A), July 2019			

Other stock mentioned: American Water Works (AWK US, US\$116, Outperform, TP US\$121)

Macquarie Quant Alpha Model Views

The Quant View page below has been derived from models that are developed and maintained by Sales and Trading personnel at Macquarie. The models are not a product of the Macquarie Research Department.

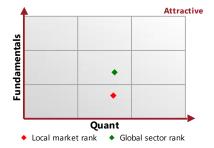
The quant model currently holds a marginally positive view on Aqua America. The strongest style exposure is Price Momentum, indicating this stock has had strong medium to long term returns which often persist into the future. The weakest style exposure is Valuations, indicating this stock is over-priced in the market relative to its peers.

197/448

Global rank in Utilities

% of BUY recommendations 67% (6/9) Number of Price Target downgrades 0

Number of Price Target upgrades 2

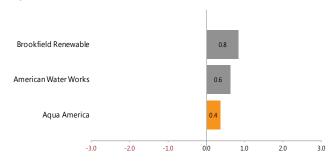


Displays where the company's ranked based on the fundamental consensus Price Target and Macquarie's Quantitative Alpha model.

Two rankings: Local market (United States) and Global sector (Utilities)

Macquarie Alpha Model ranking

A list of comparable companies and their Macquarie Alpha model score (higher is better).



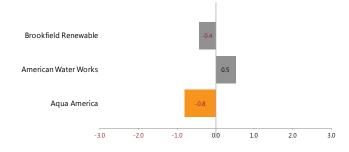
Factors driving the Alpha Model

For the comparable firms this chart shows the key underlying styles and their contribution to the current overall Alpha score.



Macquarie Earnings Sentiment Indicator

The Macquarie Sentiment Indicator is an enhanced earnings revisions signal that favours analysts who have more timely and higher conviction revisions. Current score shown below.



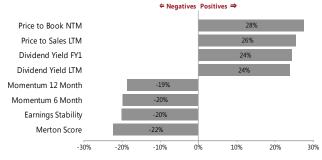
Drivers of Stock Return

Breakdown of 1 year total return (local currency) into returns from dividends, changes in forward earnings estimates and the resulting change in earnings multiple.



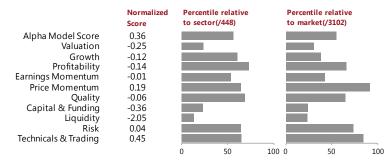
What drove this Company in the last 5 years

Which factor score has had the greatest correlation with the company's returns over the last 5 years.



How it looks on the Alpha model

A more granular view of the underlying style scores that drive the alpha (higher is better) and the percentile rank relative to the sector and market.



Source (all charts): FactSet, Thomson Reuters, and Macquarie Quant. For more details on the Macquarie Alpha model or for more customised analysis and screens, please contact the Macquarie Global Quantitative/Custom Products Group (cpq@macquarie.com)

Macquarie Research Aqua America (WTR US)

Important disclosures:

Recommendation definitions

Macquarie - Asia, USA, Europe and Mazi Macquarie (SA):

Outperform - expected return >10% Neutral - expected return from -10% to +10% Underperform - expected return <-10%

Macquarie - Australia/New Zealand

Outperform - expected return >10% Neutral – expected return from 0% to 10% Underperform - expected return <0%

Note: expected return is reflective of a Medium Volatility stock and should be assumed to adjust proportionately with volatility risk

Volatility index definition*

This is calculated from the volatility of historical price movements.

Very high-highest risk - Stock should be expected to move up or down 60-100% in a year - investors should be aware this stock is highly speculative.

High - stock should be expected to move up or down at least 40-60% in a year - investors should be aware this stock could be speculative.

Medium - stock should be expected to move up or down at least 30-40% in a year.

Low-medium - stock should be expected to move up or down at least 25-30% in a year.

Low - stock should be expected to move up or down at least 15-25% in a year.

* Applicable to select stocks in Asia/Australia/NZ

Recommendations - 12 months

Note: Quant recommendations may differ from Fundamental Analyst recommendations

Financial definitions

All "Adjusted" data items have had the following adjustments made:

Added back: goodwill amortisation, provision for catastrophe reserves, IFRS derivatives & hedging, IFRS impairments & IFRS interest expense

Excluded: non-recurring items, asset revals, property revals, appraisal value uplift, preference dividends & minority interests

EPS = adjusted net profit / efpowa* ROA = adjusted ebit / average total assets ROA Banks/Insurance = adjusted net profit /average total assets

ROE = adjusted net profit / average shareholders' funds Gross cashflow = adjusted net profit + depreciation *equivalent fully paid ordinary weighted average number of shares

All Reported numbers for Australian/NZ listed stocks are modelled under IFRS (International Financial Reporting Standards).

4

Recommendation proportions - For quarter ending 31 March 2019 A a : a

DCA

	AU/NZ	ASIA	KOA	USA	CA	EUK	
Outperform	48.45%	56.50%	47.06%	51.94%	68.53%	51.76%	(for global coverage by Macquarie, 3.69% of stocks followed are investment banking clients)
Neutral	35.27%	30.15%	32.94%	42.78%	24.48%	38.19%	(for global coverage by Macquarie, 2.76% of stocks followed are investment banking clients)
Underperform	16.28%	13.35%	20.00%	5.28%	6.99%	10.05%	(for global coverage by Macquarie, 0.89% of stocks followed are investment banking clients)

Note: This table does not reflect the announced cessation of research services effective April 29, 2019, through our affiliate Macquarie Capital Markets Canada Ltd.





Note: Recommendation timeline - if not a continuous line, then there was no Macquarie coverage at the time or there was an embargo period

Source: FactSet, Macquarie Research, July 2019

12-month target price methodology

WTR US: US\$38.50 based on a PER methodology

AWK US: US\$121.00 based on a Sum of Parts methodology

Company-specific disclosures:

Important disclosure information regarding the subject companies covered in this report is available at www.macquarie.com/research/disclosures.

Date	Stock Code (BBG code)	Recommendation	Target Price
01-Jul-2019	WTR US	Neutral	US\$38.50
22-Apr-2019	WTR US	Neutral	US\$36.50
06-Mar-2019	WTR US	Neutral	US\$35.50
20-Feb-2019	WTR US	Neutral	US\$35.00
24-Oct-2018	WTR US	Neutral	US\$34.50
05-Mar-2018	WTR US	Neutral	US\$36.00
12-Dec-2017	WTR US	Neutral	US\$38.50
18-Oct-2017	WTR US	Neutral	US\$35.00
11-Apr-2017	WTR US	Neutral	US\$33.00
18-Jan-2017	WTR US	Neutral	US\$32.00
21-Jul-2016	WTR US	Neutral	US\$35.00

Target price risk disclosures:

WTR US: Our US\$38.50 TP is based on 25x our proforma '21 water EPS and 21.2x proforma '21 gas EPS. Risks include: regulatory conditions for the Peoples acquisition, outcomes of pending and future rate cases, especially in PA, cost controls, municipal M&A, and the level of market interest rates. AWK US: Our US\$111 TP is based on our 2021 SOTP. Risks to the downside include: the slower pace of future municipal acquisitions, lower cost efficiencies, and slower growth in non-regulated operations.

Macquarie Research Agua America (WTR US)

Analyst certification:

We hereby certify that all of the views expressed in this report accurately reflect our personal views about the subject company or companies and its or their securities. We also certify that no part of our compensation was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in this report. The Analysts responsible for preparing this report receive compensation from Macquarie that is based upon various factors including Macquarie Group Ltd total revenues, a portion of which are generated by Macquarie Group's Investment Banking activities.

Macquarie Securities (Australia) Ltd; Macquarie Capital (Europe) Ltd; Macquarie Capital (Ireland) DAC; Macquarie Capital Markets North America Ltd; Macquarie Capital (USA) Inc; Macquarie Capital Limited, Taiwan Securities Branch; Macquarie Capital Securities (Singapore) Pte Ltd; Macquarie Securities (NZ) Ltd; Mazi Macquarie Securities (RF) (Pty) Ltd; Macquarie Capital Securities (India) Pvt Ltd; Macquarie Capital Securities (Malaysia) Sdn Bhd; Macquarie Securities Korea Limited and Macquarie Securities (Thailand) Ltd are not authorized deposit-taking institutions for the purposes of the Banking Act 1959 (Commonwealth of Australia), and their obligations do not represent deposits or other liabilities of Macquarie Bank Limited ABN 46 008 583 542 (MBL) or MGL. MBL does not guarantee or otherwise provide assurance in respect of the obligations of any of the above mentioned entities. MGL provides a guarantee to the Monetary Authority of Singapore in respect of the obligations and liabilities of Macquarie Capital Securities (Singapore) Pte Ltd for up to SGD 35 million. This research has been prepared for the general use of the wholesale clients of the Macquarie Group and must not be copied, either in whole or in part, or distributed to any other person. If you are not the intended recipient you must not use or disclose the information in this research in any way. If you received it in error, please tell us immediately by return e-mail and delete the document. We do not guarantee the integrity of any e-mails or attached files and are not responsible for any changes made to them by any other person. MGL has established and implemented a conflicts policy at group level (which may be revised and updated from time to time) (the "Conflicts Policy") pursuant to regulatory requirements (including the FCA Rules) which sets out how we must seek to identify and manage all material conflicts of interest. Nothing in this research shall be construed as a solicitation to buy or sell any security or product, or to engage in or refrain from engaging in any transaction. In preparing this research, we did not take into account your investment objectives, financial situation or particular needs. Macquarie salespeople, traders and other professionals may provide oral or written market commentary or trading strategies to our clients that reflect opinions which are contrary to the opinions expressed in this research. Macquarie Research produces a variety of research products including, but not limited to, fundamental analysis, macro-economic analysis, quantitative analysis, and trade ideas. Recommendations contained in one type of research product may differ from recommendations contained in other types of research, whether as a result of differing time horizons, methodologies, or otherwise. Before making an investment decision on the basis of this research, you need to consider, with or without the assistance of an adviser, whether the advice is appropriate in light of your particular investment needs, objectives and financial circumstances. There are risks involved in securities trading. The price of securities can and does fluctuate, and an individual security may even become valueless. International investors are reminded of the additional risks inherent in international investments, such as currency fluctuations and international stock market or economic conditions, which may adversely affect the value of the investment. This research is based on information obtained from sources believed to be reliable but we do not make any representation or warranty that it is accurate, complete or up to date. We accept no obligation to correct or update the information or opinions in it. Opinions expressed are subject to change without notice. No member of the Macquarie Group accepts any liability whatsoever for any direct, indirect, consequential or other loss arising from any use of this research and/or further communication in relation to this research. Clients should contact analysts at, and execute transactions through, a Macquarie Group entity in their home jurisdiction unless governing law permits otherwise. The date and timestamp for above share price and market cap is the closed price of the price date. #CLOSE is the final price at which the security is traded in the relevant exchange on the date indicated. Members of the Macro Strategy team are Sales & Trading personnel who provide desk commentary that is not a product of the Macquarie Research department or subject to FINRA Rule 2241 or any other regulation regarding independence in the provision of equity research. Country-specific disclaimers:

Australia: In Australia, research is issued and distributed by Macquarie Securities (Australia) Ltd (AFSL No. 238947), a participating organization of the Australian Securities Exchange. Macquarie Securities (Australia) Limited staff involved with the preparation of research have regular interaction with companies they cover. Additionally, Macquarie Group Limited does and seeks to do business with companies covered by Macquarie Research. There are robust information barriers in place to protect the independence of Macquarie Research's product. However, recipients of Macquarie Research should be aware of this potential conflict of interest. New Zealand: In New Zealand, research is issued and distributed by Macquarie Securities (NZ) Ltd, a NZX Firm. United Kingdom: In the United Kingdom, research is issued and distributed by Macquarie Capital (Europe) Ltd, which is authorised and regulated by the Financial Conduct Authority (No. 193905). Germany: In Germany, this research is issued and/or distributed by Macquarie Capital (Ireland) DAC, which is authorised and regulated by the Central Bank of Ireland (No. C186531). France: In France, research is issued and distributed by Macquarie Capital (Ireland) DAC, which is authorised and regulated by the Central Bank of Ireland (No. C186531). Hong Kong & Mainland China: In Hong Kong, research is issued and distributed by Macquarie Capital Limited, which is licensed and regulated by the Securities and Futures Commission. In Mainland China, Macquarie Securities (Australia) Limited Shanghai Representative Office only engages in non-business operational activities excluding issuing and distributing research. Only non-A share research is distributed into Mainland China by Macquarie Capital Limited. Japan: In Japan, research is Issued and distributed by Macquarie Capital Securities (Japan) Limited, a member of the Tokyo Stock Exchange, Inc. and Osaka Exchange, Inc. (Financial Instruments Firm, Kanto Financial Bureau (kin-sho) No. 231, a member of Japan Securities Dealers Association). India: In India, research is issued and distributed by Macquarie Capital Securities (India) Pvt. Ltd. (CIN: U65920MH1995PTC090696), 92, Level 9, 2 North Avenue, Maker Maxity, Bandra Kurla Complex, Bandra (East), Mumbai - 400 051, India, which is a SEBI registered Research Analyst having registration no. INH000000545. Malaysia: In Malaysia, research is issued and distributed by Macquarie Capital Securities (Malaysia) Sdn. Bhd. (Company registration number: 463469-W) which is a Participating Organisation of Bursa Malaysia Berhad and a holder of Capital Markets Services License issued by the Securities Commission. Taiwan: In Taiwan, research is issued and distributed by Macquarie Capital Limited, Taiwan Securities Branch, which is licensed and regulated by the Financial Supervisory Commission. No portion of the report may be reproduced or quoted by the press or any other person without authorisation from Macquarie. Nothing in this research shall be construed as a solicitation to buy or sell any security or product. The recipient of this report shall not engage in any activities which may give rise to potential conflicts of interest to the report. Research Associate(s) in this report who are registered as Clerks only assist in the preparation of research and are not engaged in writing the research. Macquarie may be in past one year or now being an Issuer of Structured Warrants on securities mentioned in this report. Thailand: In Thailand, research is produced, issued and distributed by Macquarie Securities (Thailand) Ltd. Macquarie Securities (Thailand) Ltd. is a licensed securities company that is authorized by the Ministry of Finance, regulated by the Securities and Exchange Commission of Thailand and is an exchange member of the Stock Exchange of Thailand. The Thai Institute of Directors Association has disclosed the Corporate Governance Report of Thai Listed Companies made pursuant to the policy of the Securities and Exchange Commission of Thailand. Macquarie Securities (Thailand) Ltd does not endorse the result of the Corporate Governance Report of Thai Listed Companies but this Report can be accessed at: http://www.thai-iod.com/en/publications.asp?type=4. South Korea: In South Korea, unless otherwise stated, research is prepared, issued and distributed by Macquarie Securities Korea Limited, which is regulated by the Financial Supervisory Services. Information on analysts in MSKL is disclosed at

http://dis.kofia.or.kr/websquare/index.jsp?w2xPath=/wg/fundMgr/DISFundMgrAnalystStut.xml&divisionId=

MDIS03002001000000&serviceId=SDIS03002001000. South Africa: In South Africa, research is issued and distributed by Mazi Macquarie Securities (RF) (Pty) Ltd, a member of the JSE Limited. Singapore: In Singapore, research is issued and distributed by Macquarie Capital Securities (Singapore) Pte Ltd (Company Registration Number: 198702912C), a Capital Markets Services license holder under the Securities and Futures Act to deal in securities and provide custodial services in Singapore. Pursuant to the Financial Advisers (Amendment) Regulations 2005, Macquarie Capital Securities (Singapore) Pte Ltd is exempt from complying with sections 25, 27 and 36 of the Financial Advisers Act. All Singapore-based recipients of research produced by Macquarie Capital (Europe) Limited, Mazi Macquarie Securities (RF) (Pty) Ltd and Macquarie Capital (USA) Inc. represent and warrant that they are institutional investors as defined in the Securities and Futures Act. United States: In the United States, research is issued and distributed by Macquarie Capital (USA) Inc., which is a registered broker-dealer and member of FINRA. Macquarie Capital (USA) Inc, accepts responsibility for the content of each research report prepared by one of its non-US affiliates when the research report is distributed in the United States by Macquarie Capital (USA) Inc. Macquarie Capital (USA) Inc.'s affiliate's analysts are not registered as research analysts with FINRA, may not be associated persons of Macquarie Capital (USA) Inc., and therefore may not be subject to FINRA rule restrictions on communications with a subject company, public appearances, and trading securities held by a

Macquarie Research Aqua America (WTR US)

research analyst account. Information regarding futures is provided for reference purposes only and is not a solicitation for purchases or sales of futures. Any persons receiving this report directly from Macquarie Capital (USA) Inc. and wishing to effect a transaction in any security described herein should do so with Macquarie Capital (USA) Inc. Important disclosure information regarding the subject companies covered in this report is available at www.macquarie.com/research/disclosures, or contact your registered representative at 1-888-MAC-STOCK, or write to the Supervisory Analysts, Research Department, Macquarie Securities, 125 W.55th Street, New York, NY 10019.

© Macquarie Group

1 July 2019 6



Equities

Research

Head of US Equity Research	
Christine Farkas (US)	(1 212) 231 6668
Consumer	
Gaming & Leisure	
Chad Beynon (Head of US Consumer)	(1 212) 231 2634
Beverages & HPC	
Caroline Levy (New York)	(1 212) 231 1818
Consumer Discretionary	
Laurent Vasilescu (New York)	(1 212) 231 8046
Stephanie Wakeham (London)	(44 20) 3037 1257
Leisure & Online Travel	
Paul Golding (New York)	(1 212) 231 8003
Energy	
Oil & Gas	
Vikas Dwivedi (Head of Oil & Gas,	
Global Energy Strategist)	(1 713) 275 6352
US Exploration & Production	
Paul Grigel (Denver)	(1 303) 952 2754
Matt Henske (Denver)	(1 303) 952 2725
US Refining	
Jay Tobin (Houston)	(1 713) 275 6123
Oilfield Services	
Walt Chancellor (Houston)	(1 713) 275 6230

Financials	
Banks/Trust Banks	(4.040) 004.0505
David Konrad (New York)	(1 212) 231 0525
Industrials	
Chemicals	
Cooley May (Head of US Basics & Industrials)	(1 212) 231 2586
Airlines/Aircraft Leasing	
Susan Donofrio (New York)	(1 212) 231 6535
Building Products	
Adam Baumgarten (New York)	(1 212) 231 0633
Business Services	
Hamzah Mazari (New York)	(1 212) 231 2442
Mario Cortellacci (New York)	(1 212) 231 0465
Construction & Engineering/Ma	-
Sameer Rathod (San Francisco)	(1 415) 762 5034
Materials	
Global Metals & Mining	
David Lipschitz (New York)	(1 212) 231 1232
Xiao Feng (New York)	(1 212) 231 1245

TMET	
Media, Entertainment, Ad, and	d Cable
Tim Nollen (Head of TMET)	(1 212) 231 0635
Automotive & Disruptive Tech	nology
Maynard Um (New York)	(1 212) 231 8098
Internet	
Ben Schachter (New York)	(1 212) 231 0644
Semiconductors	
Srini Pajjuri (San Francisco)	(1 415) 762 5018
Software	
Sarah Hindlian (New York)	(1 212) 231 1371
Utilities & Alternative Energ	у
Angie Storozynski (New York)	(1 212) 231 2569

angle eterezyment (riem rent)	()

Find our resea	rch at			
Macquarie: Thomson: Reuters: Bloomberg: Factset: CapitalIQ	www.macquarieresearch.com/ideas/ www.thomson.com/financial www.knowledge.reuters.com MAC GO http://www.factset.com/home.aspx www.capitalig.com			
requests.	arch@macquarie.com for access			
Email addresses				

FirstName.Surname@macquarie.com

Equities Head of US Equities		Sales Head of US Sales		Trading US Sales Trading	
Dan Ritchie (New York)	(1 212) 231 1621	Khristina McLaughlin (New York)	(1 212) 231 8012	Mike Gray (New York)	(1 212) 231 0928
		US Sales			
		Rob Moderelli (New York)	(1 212) 231 2495		